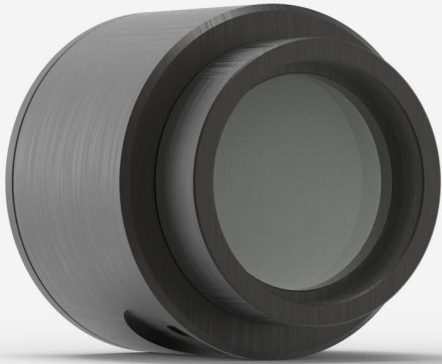




## PH20-GE-OD2-D0

Photodiode detector for laser power measurement up to 500 mW.



### PRODUCT FAMILY KEY FEATURES

#### LARGE APERTURES

10 mm Ø for the silicon sensors

#### 3 VERSIONS

- Silicon 350 - 1080 nm, up to 750 mW
- Silicon-UV 210 - 1080 nm, up to 38 mW
- Germanium 800 - 1650 nm, up to 500 mW

#### CHOICE OF ATTENUATORS

- OD0.3: 50% transmission (for PH100-SI<sup>UV</sup> only)
- OD1: 10% transmission
- OD2: 1% transmission

#### HIGH ACCURACY

The new PH100-SI-HA presents the lowest calibration uncertainty to date.

#### PRECISE CALIBRATION

Wavelength selection in 1 nm steps

#### SMART INTERFACE

Containing all the calibration data

#### COMPATIBLE STAND

[STAND-D-233](#)

## SPECIFICATIONS

### MEASUREMENT CAPABILITIES

Maximum average power <sup>1</sup>	500 mW
Noise equivalent power <sup>2</sup>	6 nW
Spectral range	950 - 1650 nm
Typical rise time	0.2 s
Power calibration uncertainty <sup>3</sup>	±5.0 % (950 - 1559 nm) ±7.0 % (1560 - 1629 nm) ±10 % (1630 - 1650 nm)
Peak sensitivity	1550 nm
Minimum repetition rate <sup>4</sup>	155 kHz

1. At 1064 nm, with attenuator. See curves for maximum power at other wavelengths.  
2. At 1550 nm. Nominal value. Actual value depends on environmental electromagnetic interference and wavelength.  
3. With attenuator. See user manual for calibration uncertainty without attenuator.  
4. See user manual for details.

### DAMAGE THRESHOLDS

Maximum average power density	100 W/cm <sup>2</sup>
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### PHYSICAL CHARACTERISTICS

Aperture diameter	5 mm
Absorber	Ge
Dimensions	38.1Ø x 36D mm
Weight	0.14 kg
Distance to sensor face	10.5 mm



ORDERING INFORMATION

PH20-Ge-OD2-D0	200875
PH20-Ge-OD2-INT-D0	202798
PH20-Ge-OD2-IDR-D0	203246

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at [gentec-eo.com/contact-us](http://gentec-eo.com/contact-us)